

CLAIMS

What is claimed is:

- 5 1. A method for providing video data, comprising the steps of:
- opening a main connection for receiving transmissions of a data flow;
- opening a second connection for transmission of at
- 10 least one look-x data stream comprising data from said data flow;
- indexing at least one point of the look-x data stream to at least one corresponding point in said data flow; and
- 15 providing control of a playback position of said data flow based on the indexed points in the look-x data stream.
2. The method of claim 1, further comprising the
- 20 step of:
- displaying a timeline corresponding to the indexed look-x points, the timeline having at least one of said indexed look-x points displayed so as to reference a position on said timeline.
- 25 3. The method of claim 1, wherein said step of providing control includes the step of:
- displaying at least one of a skip forward and a skip back button configured to step a play position of said
- 30 data flow to a position corresponding to a respective one of a next and a previous of said look-x data points relative to the current play position of said data flow.

4. The method of claim 1, further comprising the steps of:

5 displaying a timeline having representations of the indexed points;
selecting at least one of the indexed points; and
displaying said data flow at a point beginning with the selected indexed point.

10 5. The method of claim 1, wherein said data flow is a video and said look-x points are frames of said data flow retrieved from one of said main connection and said second connection.

15 6. The method of claim 1, wherein said second connection is a low resolution connection relative to the main connection.

20 7. The method of claim 1, further comprising the step of:

selecting a predetermined number of said indexed look-x points;
displaying the predetermined number of indexed points to provide reference for a playback control
25 mechanism; and
updating the selected predetermined number of indexed look-x points based on an update criteria.

30 8. The method of claim 7, wherein said step of selecting includes the step of:

selecting said predetermined number of look-x points such that each of the look-x points is within a

predetermined distance of a first play position of said data flow.

9. The method of claim 7, wherein said update
5 criteria comprises a change of the playback position a predetermined amount from the first play position during the selection step.

10. A device for client side video indexing,
10 comprising:

a video player comprising:

a main data stream for receiving transmissions
of a data flow;

a look-x data stream connection for receiving
15 transmissions of the data flow; and

a controller for indexing at least one point of
the look-x data stream to a corresponding at least one
point in said data flow; and

a display for displaying at least one of the indexed
20 look-x points.

11. The device of claim 10, wherein the video
player further comprises:

a skip forward button and a skip back button that
25 each step a play position of said data stream to a respective one of a next and a previous of said look-x points relative to the current play position of said data stream.

30 12. The device of claim 10, wherein the display further displays a timeline referenced to the data flow and at least one of said indexed look-x points, the

indexed look-x points each displayed so as to reference
a position on said timeline.

13. The device of claim 10, wherein the video
5 player device further comprises:

a select button for providing a user the capability
to select at least one of the indexed points enabling
display of the data flow to begin at the selected
indexed point.

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14. The device of claim 10, wherein said look-x
data stream connection is a low resolution data stream
relative to the main data stream connection.

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